

**ABSTRACT OF THE DISCLOSURE**

376347  
691822

A substrate bias generator which makes device characteristics stable by supplying a predetermined negative voltage to a substrate and <sup>which</sup> ~~minimally~~ reduces current consumption during a self refresh mode <sup>to a minimum</sup>. The substrate bias generator comprises a substrate voltage level detector for inputting a substrate voltage and outputting a signal which drives an oscillator in response to the input level, and a controller for inputting a chip active enable signal, a self refresh mode enable signal and an output signal of the substrate voltage level detector and controlling a switching operation of the substrate voltage level detector in response to the input level.

5

Ans 10  
A17

A1